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## SEQUENCE LISTING

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<120> Cysteine Protease Inhibitor

<130> TOYA108.006APC

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<150> PCT/JP2003/14263

<151> 2003-11-10

<150> JP 2002/347801

<151> 2002-11-29

<150> JP 2003/147035

<151> 2003-05-23

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<170> PatentIn Ver. 2.1

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Lys Gln Lys Val Glu Lys Val Lys His Glu Asp Gln Gln Gln Gly Glu

Asp Glu His Gln Asp Lys Ile Tyr Pro Ser Phe Gln Pro Gln Pro Leu 50 55 60

Ile Tyr Pro Phe Val Glu Pro Ile Pro Tyr Gly Phe Leu Pro Gln Asn 65 70 75 80

Ile Leu Pro Leu Ala Gln Pro Ala Val Val Leu Pro Val Pro Gln Pro 85 90 95

Glu Ile Met Glu Val Pro Lys Ala Lys Asp Thr Val Tyr Thr Lys Gly 100 105 Arg Val Met Pro Val Leu Lys Ser Pro Thr Ile Pro Phe Phe Asp Pro 120 Gln Ile Pro Lys Leu Thr Asp Leu Glu Asn Leu His Leu Pro Leu Pro 135 Leu Leu Gln Pro Leu Met Gln Gln Val Pro Gln Pro Ile Pro Gln Thr 145 150 Leu Ala Leu Pro Pro Gln Pro Leu Trp Ser Val Pro Gln Pro Lys Val 170 165 Leu Pro Ile Pro Gln Gln Val Val Pro Tyr Pro Gln Arg Ala Val Pro 185 Val Gln Ala Leu Leu Leu Asn Gln Glu Leu Leu Leu Asn Pro Thr His 200 195 Gln Ile Tyr Pro Val Thr Gln Pro Leu Ala Pro Val His Asn Pro Ile 220 215 Ser Val 225 <210> 2 <211> 224 <212> PRT <213> Bos taurus <220> <221> sig\_peptide <222> (1)□c(15) <223> casein Met Lys Val Leu Ile Leu Ala Cys Leu Val Ala Leu Ala Leu Ala Arg 5 Glu Leu Glu Glu Leu Asn Val Pro Gly Glu Ile Val Glu Ser Leu Ser 20 Ser Ser Glu Glu Ser Ile Thr Arg Ile Asn Lys Lys Ile Glu Lys Phe 40 Gln Ser Glu Glu Gln Gln Gln Thr Glu Asp Glu Leu Gln Asp Lys Ile 50

His Pro Phe Ala Gln Thr Gln Ser Leu Val Tyr Pro Phe Pro Gly Pro

Ile Pro Asn Ser Leu Pro Gln Asn Ile Pro Pro Leu Thr Gln Thr Pro

90

Val Val Val Pro Pro Phe Leu Gln Pro Glu Val Met Gly Val Ser Lys Val Lys Glu Ala Met Ala Pro Lys His Lys Glu Met Pro Phe Pro Lys Tyr Pro Val Glu Pro Phe Thr Glu Ser Gln Ser Leu Thr Leu Thr Asp Val Glu Asn Leu His Leu Pro Leu Pro Leu Gln Ser Trp Met His Gln Pro His Gln Pro Leu Pro Pro Thr Val Met Phe Pro Pro Gln Ser Val Leu Ser Leu Ser Gln Ser Lys Val Leu Pro Val Pro Gln Lys Ala Val Pro Tyr Pro Gln Arg Asp Met Pro Ile Gln Ala Phe Leu Leu Tyr 

Gln Glu Pro Val Leu Gly Pro Val Arg Gly Pro Phe Pro Ile Ile Val